

DRILL HOLES

BORDER REV. DATE: June 1, 2004

PROPOSED SIGNS

20a,22b Nicholson Ln D3-2 (DUAL-FACED) VARIABLE X 16"	20b,22a Nicholson Ln D3-2 (DUAL-FACED) VARIABLE X 16"	24a,28b Rockville Pike D3-2 (DUAL-FACED) VARIABLE X 16"	24b,28a Rockville Pike D3-2 (DUAL-FACED) VARIABLE X 16"
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R10-3(1) 9" x 15" PUSH BUTTON TO CROSS ROCKVILLE PIKE STREET NAME BRIDGE TYPE 2	R10-3(1) 9" x 15" PUSH BUTTON TO CROSS NICHOLSON LANE STREET NAME BRIDGE TYPE 2	R10-3(1) 9" x 15" PUSH BUTTON TO CROSS ROCKVILLE PIKE STREET NAME BRIDGE TYPE 2	R10-3(1) 9" x 15" PUSH BUTTON TO CROSS NICHOLSON LANE STREET NAME BRIDGE TYPE 2
29	30	31,33	32,34

MD 355 (ROCKVILLE PIKE)

NICHOLSON LANE

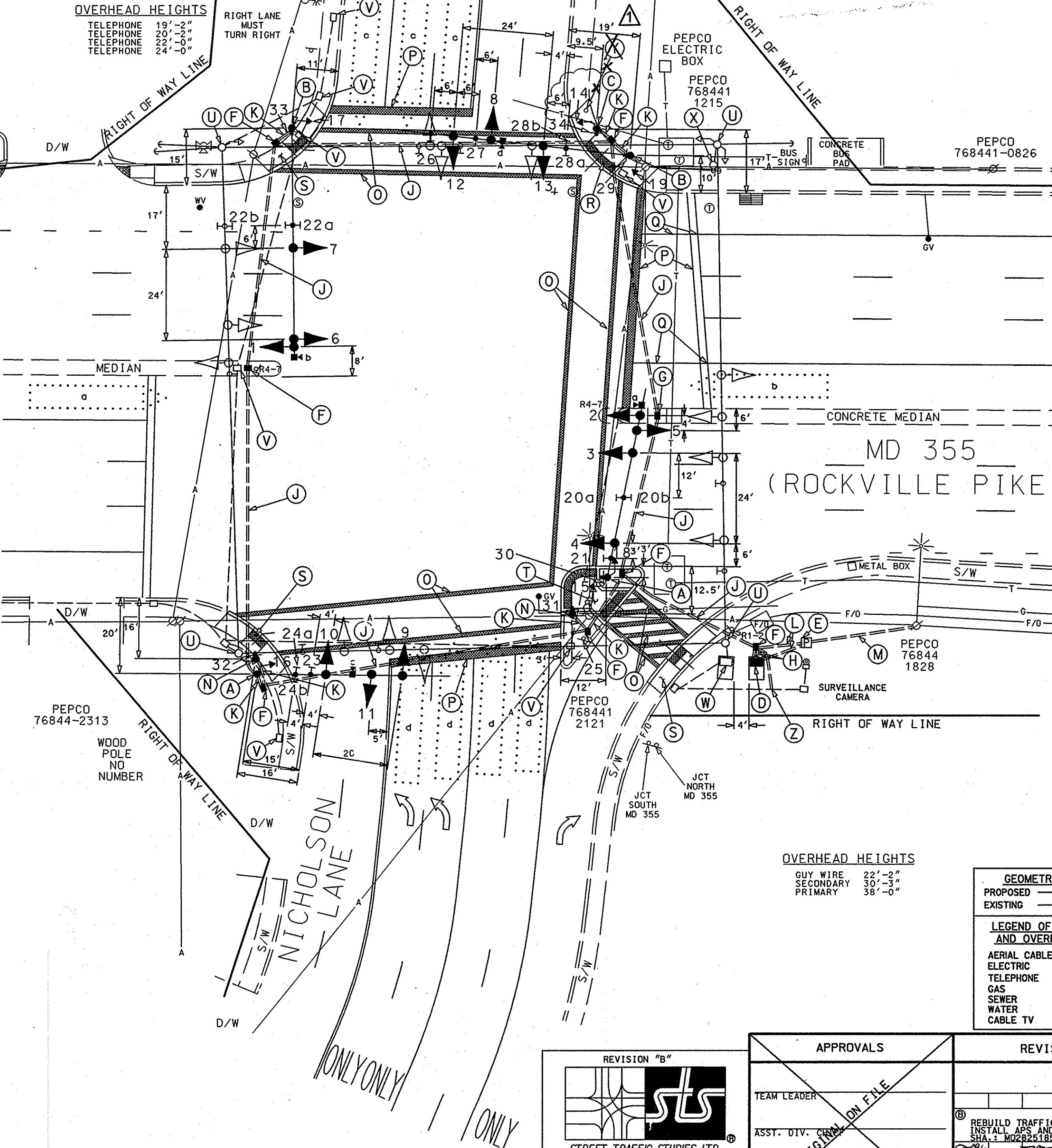
OVERHEAD HEIGHTS

TELEPHONE	19'-2"
TELEPHONE	20'-2"
TELEPHONE	22'-0"
TELEPHONE	24'-0"

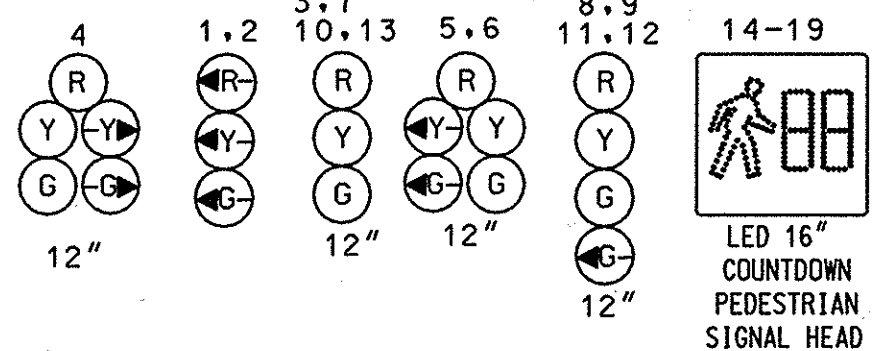
RIGHT LANE MUST TURN RIGHT

ONLY

ONLY

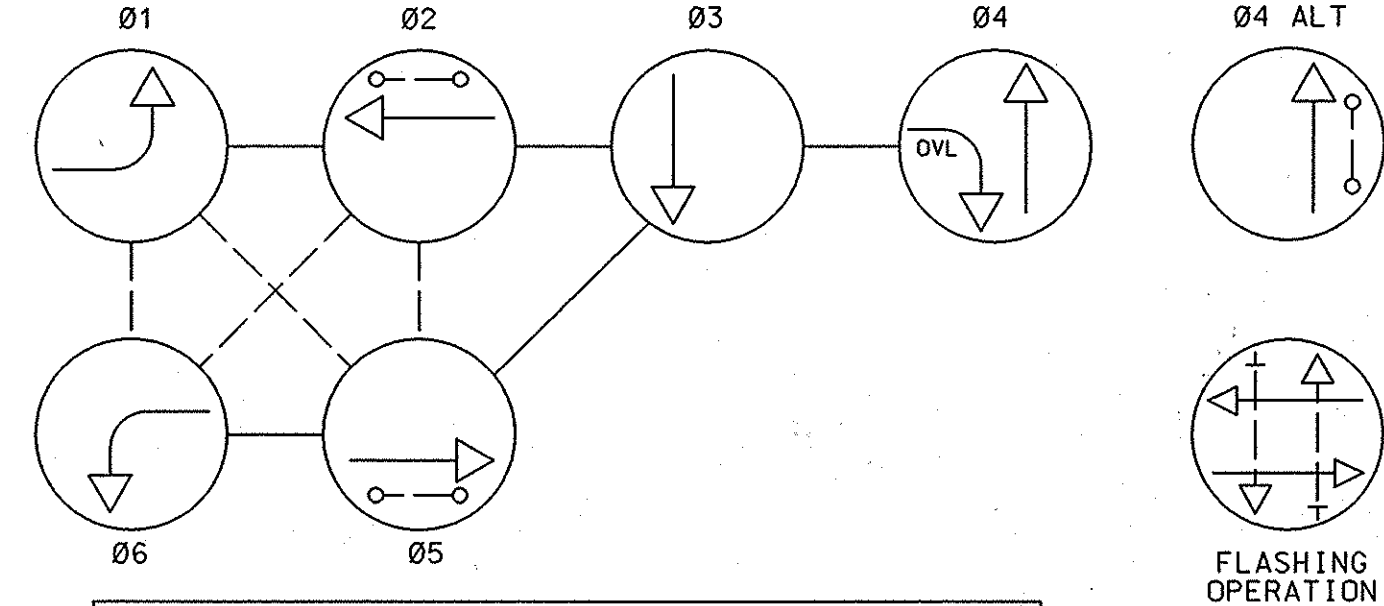


PROPOSED SIGNALS



- VIDEOD DETECTION CAMERA a-d
- EXISTING SURVEILLANCE CAMERA

NEMA PHASING



- PHASING NOTES:
1.) PHASES ASSOCIATED BY A DASHED LINE WILL OPERATE CONCURRENTLY
2.) PHASES ASSOCIATED BY A SOLID LINE WILL NOT OPERATE CONCURRENTLY

CONSTRUCTION DETAILS

- Install 16' steel pole with a special 15' "T" dimension with 50' mast arm, traffic signal heads, signs, video detection camera and countdown pedestrian APS pushbutton with pedestrian education sign, signal heads as shown. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- Install 16' steel pole with a special 15' "T" dimension with 60' mast arm, traffic signal heads, signs, video detection camera countdown pedestrian, and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- Install 10' breakaway pedestal pole with countdown pedestrian signal head and APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- Install NEMA size "6" base-mounted cabinet and controller with video interface, 2-wire control unit and all necessary equipment as shown.
- Install metered pedestal.
- Install handhole.
- Install handhole and remove existing median cut through and replace with 4" sidewalk.
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 4" polyvinyl chloride electrical conduit (Schedule 80) (slotted).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 2" polyvinyl chloride electrical conduit (Schedule 80) (trenched).
- Install 3" polyvinyl chloride electrical conduit (Schedule 80) (trenched) with 50' of 3-wire 1 conductor (No. 250 KCMIL) for proposed underground electrical power service by PEPCO to base of utility pole.
- Install 5' breakaway pedestal pole with APS pushbutton with pedestrian education sign. (Note: 1-3" 90° polyvinyl chloride (Schedule 80) bend.)
- Install 12" white heat applied preformed thermoplastic pavement marking. (Crosswalk) (Note: Contractor shall remove any existing marking.)
- Install 24" white heat applied preformed thermoplastic pavement marking. (Stopline). (Note: Contractor shall remove any existing marking.)
- Install 5" white preformed thermoplastic pavement marking. (Lane line).
- Install proposed parallel handicap ramp with 10' flat area (STD. No. MD 655.12) and detectable warning surfaces (STD. No. MD 655.40) as shown.
- Install proposed parallel handicap ramp (STD. No. MD 655.12) and detectable warning surfaces (STD. No. MD 655.40) as shown.
- Rebuild existing island with curb and gutter, island openings (STD. No. MD 655.21) and detectable warning surfaces (STD. No. MD 655.40) as shown.
- Remove existing strain pole, foundation 12' below grade and all attached equipment.
- Remove existing handhole. Cap existing conduit.
- Remove existing base mounted cabinet and foundation. (Note: Montgomery County shall remove controller and auxiliary equipment).
- Remove existing pedestal pole, foundation 12' below grade and all attached equipment.
- Remove existing tree out of existing sidewalk and replace sidewalk as necessary.
- Contractor shall locate existing surveillance camera power cable conduit to existing cabinet. After conduit is located, contractor shall install proposed conduit from proposed cabinet and stub out at existing. (Note: Contractor shall contact Mr. Mike Kinney (240-777-8760) for the disconnecting of existing surveillance camera power cable and rerouting of this cable to proposed cabinet.)

GENERAL NOTES:

- All underground utilities shown on these plans are schematic only and may not be complete. The contractor shall be responsible for notifying "MISS UTILITY" prior to construction so that all utilities may be located in the field. If the contractor perceives that a conflict between the utilities and the traffic signal will occur, the contractor shall notify the project engineer immediately so that the conflict may be resolved.
- All Traffic Signal Foundations shall be installed at the Final Sidewalk or Curb grade for closed sections, Highest Roadway Profile Grade for open sections, to meet clearances as specified in MD 816.03, MD 818.01, MD 818.02, and MD 818.04. The contractor shall verify ultimate grades prior to the installation of all signal equipment.
- All pavement markings detailed are proposed and are to be installed in accordance with SHA standards. All crosswalks shall be centered on handicap ramps or median cut throughs.
- Poles are to be located so that they can be activated by a person in a wheelchair from a 50' x 60' level landing area. A level landing area is an area with a cross slope of less than or equal to 2%.
- If the location of Accessible Pedestrian Signal Pushbuttons must be changed the contractor shall notify the Project Engineer to get approval for new location to ensure proper requirements of the MUTCD are still met. All work must be halted until the Project Engineer has obtained an approved location or if necessary a design waiver is obtained.
- Pushbutton is to be located so that a pedestrian in a wheelchair located on the level landing area, does not have to reach more than 18".
- The 10' separation between pushbuttons is to be measured from face of pushbutton to face of pushbutton.
- The contractor shall remove all unused wiring.

GEOMETRIC LEGEND

PROPOSED

EXISTING

LEGEND OF UNDERGROUND AND OVERHEAD UTILITIES

AERIAL CABLE	A
ELECTRIC	E
TELEPHONE	T
GAS	G
SEWER	S
WATER	W
CABLE TV	TV



STATE OF MARYLAND
DEPARTMENT OF TRANSPORTATION
STATE HIGHWAY ADMINISTRATION

MD 355 AND NICHOLSON LANE

TRAFFIC SIGNAL PLAN

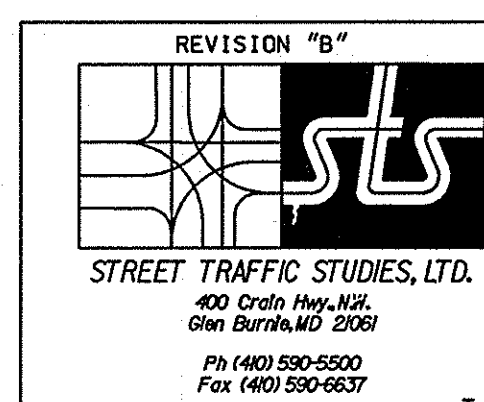
SCALE 1"=20' DATE 9-20-90 CON' RACT NO.

DESIGNED BY	MONT. CO.	COUNTY	MONTGOMERY
DRAWN BY	MONT. CO.	LOGMILE	15035506.00
CHECKED BY	MONT. CO.	TIMS NO.	H996
F.A.P. NO.		TOD NO.	

TS NO.3260B	DRAWING NO. 1 OF 3	SHEET NO. 5 OF 42
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PLOTTED: THURSDAY, AUGUST 30, 2007 AT 12:04:41 PM
FILE: V85188.DGN

ADDENDUM 1: DATE: 10-16-07



STREET TRAFFIC STUDIES, LTD.
400 Crain Hwy., N.W.
Glen Burnie, MD 21061
Ph (410) 590-5500
Fax (410) 590-6637

APPROVALS

TEAM LEADER	
ASST. DIV. CHIEF	
DIVISION CHIEF	
OFFICE DIRECTOR	

REVISIONS

REBUILD TRAFFIC SIGNAL INSTALL APS AND CPS ALL AROUND SHA-1 MD 355.125 A RECONSTRUCT STRAIN POLES NB MD 355 WIDENING F.X. W.J.C. JR EP TH 3/7 DEC. 1991	6-18-07
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